AMINO ACIDS

Plant-Source Amino Acid Powder 80%, White

Product code SH-AA-13P · Supersedes SH-TDS-AA-13P-EN-v1.0 (earlier: SHA-PABP-80-TDS, 2026-08)

≥ 80.0%	≥ 12.5%	100%
TOTAL AMINO ACIDS	TOTAL NITROGEN (N)	WATER SOLUBILITY

01 PRODUCT OVERVIEW

Amino acid powder produced by acid hydrolysis of plant protein. White, water-soluble powder.

02 TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

PARAMETER	TYPICAL VALUE	TEST METHOD
Appearance	**White powder**	Visual
Total amino acids	**≥ 80.0%**	Supplier method
Free amino acids	**≥ 75.0%**	Supplier method
Amino nitrogen	**≥ 12.0%**	Supplier method
Total nitrogen (N)	**≥ 12.5%**	GB/T 8572
Chloride (Cl)	**≤ 3.0%**	Supplier method
Water solubility	**100%**	Supplier method
Moisture	**≤ 5.0%**	Supplier method
pH	**4.0 – 7.0**	Supplier method
Lead (Pb)	**≤ 50 mg/kg**	NY/T 1978-2022
Cadmium (Cd)	**≤ 1.5 mg/kg**	NY/T 1978-2022
Mercury (Hg)	**≤ 1 mg/kg**	NY/T 1978-2022
Arsenic (As)	**≤ 10 mg/kg**	NY/T 1978-2022
Chromium (Cr)	**≤ 50 mg/kg**	NY/T 1978-2022

Typical values, not a specification. Batch results are stated on the Certificate of Analysis (COA) issued with each shipment. "To be confirmed" means the value is under review.

03 INTENDED USES AND APPLICATION

- Raw material for amino acid fertilizers and foliar formulations
- Fertigation and water-soluble fertilizer formulations

Application rates depend on crop, soil and formulation. Please contact us for technical guidance and run a small-scale trial before large-scale use.

04 PACKAGING, STORAGE AND DOCUMENTS

PACKAGING 1 / 5 / 10 kg foil bags; 20 / 25 kg woven or PP/PE bags with inner liner; 1,000–1,100 kg jumbo bag
STORAGE Cool, dry, well-ventilated place in the original closed packaging; protect from moisture; reseal opened bags.
SHELF LIFE 24 months in original, unopened packaging
DOCUMENTS Safety Data Sheet (SDS) and batch Certificate of Analysis (COA) available on request.

The information in this Technical Data Sheet is given in good faith for reference. Users should determine the suitability of the product for their own application and comply with the regulations of the destination market. For safety information, refer to the Safety Data Sheet (SDS) of this grade.